s Docket No.: 10064-006001 Applicant: Thomas G. Woolsd

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In the claims:

Please cancel claims 70, 80 and 83.

Please amend claims 20, 31, 33, 36, 38, 39, 41-54, 56, 57, 59-67, 71, 72, 74-76, 78, 81, 82, 84-86, 88-90 and 92 as follows:

(Amended) An electronic game apparatus comprising: a display for displaying information indicative of action in an electronic game; an input device that receives input from a user playing the electronic game; an output device having a gyrostat with at least one degree of freedom on at least one toppling axis; and

a controller that controls action in the electronic game based at least in part on input received from the user and that selectively topples the gyrostat to provide a sensation to the user playing the electronic game.

- The apparatus of claim 20 wherein each of the display, the input device, the 21. output device, and the controller are physically separate components.
- The apparatus of claim 20 wherein the input device and the output device are 22. integrated as a common component.
- The apparatus of claim 20 wherein the display is physically separate from at least 23. one of the input device, the output device and the controller.
- 24. The apparatus of claim 20 wherein two or more of the display, the input device, the output device, and the controller are integrated into a common housing.
- 25. The apparatus of claim 24 wherein the common housing is configured to be handheld by the user of the electronic game.

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The apparatus of claim 24 wherein the common housing has an appearance that 26. resembles an instrument.

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- 27. The apparatus of claim 26 wherein the instrument comprises a weapon.
- 28. The apparatus of claim 27 wherein the weapon comprises a knife, a sword, a gun, a hammer, an axe, or a light saber.
- The apparatus of claim 26 wherein the instrument comprises an object other than 29. a weapon.
- The apparatus of claim 20 wherein the electronic game apparatus comprises an 30. electronic sword game.
- (Amended) The apparatus of claim 20 wherein the controller is programmable 31. and wherein the apparatus further comprises software executed by the controller for controlling one or more of (i) action in the electronic game, (ii) receiving input from the user, and (iii) causing the gyrostat to topple selectively on the at least one toppling axis to produce a tactile sensation on the output device.
 - 32. The apparatus of claim 20 further comprising a sensor for determining a position or an attitude, or both, of the input device.
 - (Amended) The apparatus of claim 32 wherein the controller selectively topples 33. the gyrostat to provide a sensation to the user playing the electronic game based at least in part on information determined by the sensor.
 - 34. The apparatus of claim 33 wherein the sensor comprises a gyroscopic inertial positioning system.

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35. The apparatus of claim 33 wherein the sensor comprises one or more infrared transceivers.

36. (Amended) The apparatus of claim 33 further comprising a safety device that prevents toppling of the gyrostat when the user is disengaged.

- 37. The apparatus of claim 36 wherein the safety device comprises a dead-man's switch.
- 38. (Amended) The apparatus of claim 20 further comprising at least one additional gyrostat, the controller selectively and independently controlling the gyrostats to provide a sensation to the user playing the electronic game.
- 39. (Amended) The apparatus of claim 20 further comprising means for selectively hindering toppling of the gyrostat as the user is applying input to the input device.
- 40. The apparatus of claim 39 wherein the means comprises a mechanical linkage having a predetermined degree of freedom.
- 41. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide tactile feedback to the user playing the electronic game.
- 42. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide torque to the user playing the electronic game.
 - 43. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide sensations to the user that correspond to action in the electronic game.

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the gyrostat to provide feedback to the user that motivates the user to conserve rotational energy of the gyrostat.

- 45. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide feedback to the user that urges the user to move the input device in a predetermined direction.
- 46. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide feedback to the user that urges the user to move the input device in a direction toward a target area.
- 47. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide a sensation to the user that resists a movement by the user of the input device.
- 48. (Amended) The apparatus of claim 20 wherein the controller selectively topples the gyrostat to provide feedback to the user that urges the user to remain within a predetermined field of play.
 - 49. (Amended) A network-based electronic game system comprising:
 - (a) a plurality of electronic game components, each comprising:
 - (i) an input device that receives input from a user playing the electronic game;
 - (ii) an output device having a gyrostat with at least one degree of freedom on at least one toppling axis; and
 - (iii) a controller for controlling action in the electronic game based at least in part on input received from the user and for selectively toppling the gyrostat to provide a sensation to the user playing the electronic game; and

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(b) a network for enabling communication among the plurality of electronic game components.

- 50. (Amended) An electronic game apparatus comprising:
 a display for displaying information indicative of action in an electronic game;
 a gyrostat with at least one degree of freedom on at least one toppling axis; and
 a controller that selectively topples the gyrostat in accordance with action in the
 electronic game.
- 51. (Amended) The apparatus of claim 50 wherein the controller is programmed to topple the gyrostat selectively to provide a sensation to the user playing the electronic game.
- 52. (Amended) The apparatus of claim 50 wherein the controller is programmed to topple the gyrostat selectively to generate a physical effect in one or more components of the electronic game apparatus.
- 53. (Amended) The apparatus of claim 50 wherein the gyrostat is embodied in an output device.
- 54. (Amended) The apparatus of claim 53 wherein the controller selectively topples the gyrostat to provide a sensation to a user playing the electronic game.
- 55. The apparatus of claim 50 further comprising an input device that receives input from a user playing the electronic game, and wherein the controller further controls action in the electronic game based at least in part on input received from the user.
- 56. (Amended) The apparatus of claim 50 wherein the display is physically separate from at least one of the gyrostat and the controller.

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(Amended) The apparatus of claim 50 wherein two or more of the display, the gyrostat, and the controller are integrated into a common housing.

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- 58. The apparatus of claim 57 wherein the common housing is configured to be handheld by the user of the electronic game.
- (Amended) The apparatus of claim 50 wherein the controller is programmable 59. and wherein the apparatus further comprises software executed by the controller for controlling one or more of (i) action in the electronic game, (ii) receiving input from a user, and (iii) selectively toppling the gyrostat.
- The apparatus of claim 50 further comprising at least one additional gyrostat, the 60. controller selectively and independently controlling the gyrostats in accordance with action in the electronic game.
- (Amended) The apparatus of claim 50 wherein the controller selectively topples 61. the gyrostat to provide tactile feedback to a user playing the electronic game.
- (Amended) The apparatus of claim 50 wherein the controller selectively topples 62. the gyrostat to provide torque to a user playing the electronic game.
- (Amended) The apparatus of claim 50 wherein the controller selectively topples 63. the gyrostat to provide feedback to a user that motivates the user to conserve rotational energy of the gyrostat.
- (Amended) The apparatus of claim 50 further comprising an input device and 64. wherein the controller selectively topples the gyrostat to provide feedback that urges the user to move the input device in a predetermined direction.

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65. (Amended) The apparatus of claim 50 further comprising an input device and wherein the controller selectively topples the gyrostat to provide feedback that urges a user to move the input device in a direction toward a target area.

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- 66. (Amended) The apparatus of claim 50 further comprising an input device and wherein the controller selectively topples the gyrostat to generate a physical effect that resists movement of the input device.
- 67. (Amended) The apparatus of claim 50 wherein the controller selectively topples the gyrostat to provide feedback that urges a user to remain within a predetermined field of play.
- 68. The apparatus of claim 50 wherein the electronic game apparatus is configured to be hand-held by a user of the electronic game.
- 69. The apparatus of claim 50 wherein the electronic game apparatus comprises an electronic sword game.

- (Amended) A method of controlling an electronic game, the method comprising 71. selectively toppling a gyrostat on a toppling axis in at least one degree of freedom to provide a sensation to a player based on action in the electronic game, wherein selectively toppling the gyrostat to provide a sensation to the player comprises providing tactile feedback to the player based on action in the electronic game.
- (Amended) The method of claim 71 wherein selectively toppling the gyrostat to 72. provide a sensation to the player comprises urging the player to move a game apparatus component in a predetermined direction.
- 73. The method of claim 72 wherein urging the player comprises providing the user with a sensation that encourages the user to move the game apparatus component in a direction toward a target area.

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74. (Amended) The method of claim 70 wherein selectively toppling the gyrostat to provide a sensation to the player comprises resisting a movement by the player of a game apparatus component. 75. (Amended) The method of claim 70 wherein selectively toppling the gyrostat to cIP provide a sensation to the player comprises providing an incentive to the player to remain within a predetermined field of play. 76. (Amended) The method of claim 70 wherein selectively toppling the gyrostat to provide a sensation to the player comprises providing an incentive to the player to conserve a rotational speed of the gyrostat. The method of claim 70 further comprising receiving input from the player. 77. (Amended) The method of claim 77 wherein selectively toppling the gyrostat to 78. provide a sensation to the player is based at least in part on input received from the user. OU 79. The method of claim 77 further comprising controlling the action of the electronic game based at least in part on the received input, the sensation provided to the player, or both. (Amended) A method of controlling an electronic game, the method comprising 81.

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82. (Amended) The method of claim 81 wherein the physical effect is intended to be sensed by a human player of the electronic\game.

selectively toppling the gyrostat to cause a physical effect based on action in the electronic game

selectively toppling a gyrostat in at least one degree of freedom on a toppling axis, wherein

comprises imparting a force on one or more electronic game components.

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84. (Amended) Software, embodied in a form understandable by a programmable controller, for causing the programmable controller to control an electronic game having a gyrostat with at least one degree of freedom on a toppling axis, the software comprising instructions to selectively topple the gyrostat to cause a physical effect based on action in the electronic game, wherein the instructions to selectively topple the gyrostat to cause a physical effect based on action in the electronic game comprise instructions for selectively toppling the gyrostat to provide a sensation to a user playing the electronic game.

- 85. (Amended) The software of claim 84 wherein the instructions for selectively toppling the gyrostat to provide a sensation to the player comprise instructions that result in providing tactile feedback to the player based on action in the electronic game.
- 86. (Amended) The software of claim 84 wherein the instructions for selectively toppling the gyrostat to provide a sensation to the player comprise instructions that result in urging the player to move a game apparatus component in a predetermined direction.
- 87. The software of claim 86 wherein the instructions that result in urging the player comprise instructions that result in providing the user with a sensation that encourages the user to move the game apparatus component in a direction toward a target area.
- 88. (Amended) The software of claim 84 wherein the instructions for selectively toppling the gyrostat to provide a sensation to the player comprise instructions that result in resisting movement of a game apparatus component.
- 89. (Amended) The software of claim 84 wherein the instructions for selectively toppling the gyrostat to provide a sensation to the player comprise instructions that result in providing an incentive to the player to remain within a predetermined field of play.

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(Amended) The software of claim 84 wherein the instructions for selectively 90. toppling the gyrostat to provide a sensation to the player comprise instructions that result in 014 providing an incentive to the player to conserve a rotational speed of the gyrostat.

- The software of claim 84 further comprising instructions for receiving input from 91. the player.
- (Amended) The software of claim 91 wherein the instructions for selectively 92. toppling the gyrostat to provide a sensation to the player include instructions that consider at least in part input received from the user.
- The software of claim 91 further comprising instructions for controlling the action 93. of the electronic game based at. least in part bn the received input, the sensation provided to the player, or both.

Please add claims 94-99.

- (New) The apparatus of claim 20, wherein the gyrostat has two or more degrees 94. of freedom on two or more toppling axes.
- (New) The system of claim 49, wherein the gyrostat has two or more degrees of 95. freedom on two or more toppling axes.
- (New) The apparatus of claim 50, wherein the gyrostat has two or more degrees 96. of freedom on two or more toppling axes.
- 97. (New) The method of claim 71, wherein the method comprises selectively toppling the gyrostat on two or more toppling axes in two or more degrees of freedom.

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98. (New) The method of claim 81, wherein the method comprises selectively toppling the gyrostat on two or more toppling axes in two or more degrees of freedom.

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99. (New) The software of claim 84, further comprising instructions to selectively topple the gyrostat in at least another degree of freedom on at least one other toppling axis.